portor med Wednesday Oct 15" 1879. Who early and I erry prepared to Leave for Kanab to carry in a pack of famile, letter, and to bring mail in return, The manning was adomal one. Cold. cloudy tunidy. a late fall day, cleaned who a little and grew warmer towards might. I went frie a ry onles south and measured a honlier of the Randstane of the Whom division of the Carbon ferons. Yesterday took the measurement of the appear fatian by Locke Tenel and barmeter. each game 775 feet. To day added 615 feet more there measure to are much greater than those oftamed by me filbent so I book musical pairs to have those cornect, Retired and frefranced mysuphen + the , caught a few Brone lipus;

after eating it. This is the first time I am saw there beautiful little crueta come aline. at smit At easter cliffe were very leartiful as The door red base and gray con ase above p'capted by a golden cram, as the similable just touched the simit. The afterglan was also fine after the sun had sex. my tried wrote a little of typied in, alone in my tent. a load report, a mable and then the religing rockedan the comm. a portion of the cliff had book off. The sunse salute. Went of the cost side 1600 feet & nearmed the sandstare & himestone, also recoved a frie lat of famil sharger for the clean modules: Returned and hehmed for the right. Just often dusk Jeny care bringing 14 letting and a great file of papers. Town wieks mail. How pleasant it was

to read those from have . To leave the general life of all my have frude. Lig. G. Cappellini of Bologna Italy unter acknowledging the receipt. I my Utica slatehapen of ments me to meet him at Bologna 1881. at the Inter notional Congress of Geologists. Pool. gents of Dresde also acknowledges receipt of U.S. haben, but as it is author in german I cannot nead it. and the hearters of an interfect edveation, Geft papers for futur reaching, after heart foot next mone ing spacked and stanted down the canon. Footessed the marries and - stone at leaving canhand for several miles the canon gradually despend until me mene in a caran unther go caran. The outer walls retreating back leaving the cut in cargle a glints of the white.

hustane 2000 feet above and back for the min earn. He enner caran corners and unide dow the pandstone and the into the parelations lene atch. Innu Somme S at (a) the inner wall is 1000 feet 6 the outer 1700 all Canhed at night beside a water pocker. a hole in the hed of the stream. The canon is very namon. not own there rods broad & the solid huestone, stamed red, river 1000 feet to the doing the high walls back camob has seen. He change from the sand ful sculpture and pichnesque coloning to the massive ferfudicion hiestone wall is my striking. It seems a landy and long journing down this came, but nothing places her treasures and rome beauties where

energy and work is necessary to obtain as see them. Thus fam my this has well repaid the lator by the ample seeing the leartiful and grand feartines of the natural seenery, not to mention the Knowl geological structure. Twilight is falling tit is short in this region so will prohane to rest as the tent will not be ful of to night. will read by the frielight and tun in early. Oct 18st. Fast right I lay anake a long the looking up at the store the canon walls sported an oval frame to a hear--tiful blue sky, The north star formy the center of the monther end, and towards midnight fapite the country of the south extrainty, the quiet work aly by the stimity of our aminals. The gloom of the great caran and above all the teams only and high store above gave an inferrior

of the solemnity of nature in the har who she is of restitudine not som be effaced. Up at daybreak, healforted, collected a few formile and the bid adiese to our coup. all were glad to leave it. a huddle to drik from and no feed for the annials. The caron en-- trued to amed finst cash then west adin fact to all points of the canhase. He trail was good and a few mules dam a little clear water was seen in the hed of the channel and soon a small brooklet glided one the rocks. The go added to its voline and to might the music of a nainy brook heale the stillness & On our way down the caron a drone of cattle was ahead of us. Of one point they stopped trefused to be down ahead, we let the han by and found a rocky harrier in our path. By an hour work a path was formed and me paried our only to find cestill greater mais of fall rocksault

a deep pool of water between two hugh blocks of linestine. Off until the hadle of eaddles dine the annals in for a own. Carry the luggage our the rocks repack of the find the trail obstructed again. a log 20 feet long is hauted by orher of the side of a slanting ouch fastured there and stones + dit thou against it to form a fath, He white mule rebels, his down rolle half over. Unpack hall has wh. beat well for future admanticipal carry the pack of stant down the Canon. The sur is getting low so a level feslet sandbeach is peleated and the tent fut of. a hearty supple I som the cares of the day are forgotten in neading of uniting. He grass is high along the stream & all me. content ance more. One object not mentioned is worthy of it.

four ofte reaching the running water a mars of green was seen ahead attached to the side of the cliff. approaching, to was seen to be a great cluste of a flow attached to the cliff when a spring come out. Jutting out fin the cliff thinky feet and so high a home could pass under. He leausune mall & of a deep oline green, acattered thickly one the entire mass une star shaped, billiant scalet flowers. This's the mare the water penetroled and It was quite a refreshing right as nothing of the character has been seen in many a lang day, Formarrow is smill as & I hole it will all need it ash concerns mans of him -stone has faller from the cliff a short distance below of a trailment the built our or around et y (50 mile from the menust house me lies down to slufe

the same Father watches our ushine that down at thom homes and life is recers by care and foresight aringuin Sunday P. M. 19th Och.
after heakfast climbed who the cliff, a hundred feet to a dark shot & found a great cluster of ferres and wild plants. He fem resubles on an beautiful maidenhai and althor not as delicate and graceful may be a vame of fit or another species of the same genes. adiantim. Riffed caming down to fell whereby getting a black thinbrail & a laafe think. Read fapers with mom, ate a lunch and went down the camon to examine the can a trail. We can hars the falle hiestone by going our a my rough + steep mass of rock and dist. a hand looking road. Morks of hustan 40 x 5.0 x 30, 160,000 cubic full are filed where the trail formerly lod. He mass has follow necently

as the dust has not marked of of the rocks. What a sight it swanted have been to have seen the great mass, 1000 feet high topble own to plunge who the caman hereath filling it to a defitte of partin of the canon ar our path would have been pernamently obstructed. The cliff looks as the. It had last a chip off its red surface learning a lang white rear rear. Small masses fall parguntly as we have seen the fishly hoken lying in the bed of the caran. I trost they will hold who antil one net the they can and by the I do hat care to be blocked in her an omsked. To die have would be automate. not symmel to me as to those left febria. I have to meet that find a fac as there cape many be among than that dance at core for my confort and

it come of that left mit them. To a would that live the stock of their love to that which lieldt last of the life now gone. t the miles gamed. We had the trail around the fallen music of rocks and a rough one it was fur by futting a sportion of the hacks on Jane + chambre we pulled stro". another slight manding of the trail to a camp at the month of a common unter y from the and heart but som to he forgotter If we reach the Colorado tomorning. The rock is become y more shally and little henches form along the lower partion of the canon walls. It is war to the mant is that the tent wie mar be inhadred sonight. In has valled a val

of tread cooked homing in it dried heef & I guess me som eat a good synne meal as a mice of any head & heef has answered sice teatifast at summe. Der 21" 1879. Left camp early and neached the Colorado al moon. No muthait some rough road homener as at one place it was swin an stop for the animals. But we are have at last & I feel repaid for the labor althor I am about used of temight. Head ached at more but that has passed of. My night thous mail is troublesan a blan an the felt thub with my stare hammer consequent whan the right being out of order, has healed the and of that and in a

(15) con 2,3 The am has set and trulingle is falling. A grant of nonhead aught to ushi no to unto but on the contrary I am logy. the viney have is grand and To the oright and light the Conwalls rise in a clear cliff our 2000 feet. In front, down the min a great mass of the out wall rises like an immune cartle pile falling to rumin. Four thousand fut about to the might it is a great black man. yet small as confined with the greater of the of the wille toward try the light

from my seat is newered. He to and grown and showson of toning of one it stands on run. a julier groyman resting in the dark ned rock hereath. Brupet 'y beadlande town deep shadows and for the butternes suffranting the main mars. This is a throughout feet higher and hone's it books two wills away travale a half a mile above the runs. The canon is for mon infessive to me nowthan - fist, acquaintance. Ite meat proparties and mung whonging feature as the in the different

day give and offenting In Study & reflection. He rem is more low but the water is a pink has from. the contained redirect wand in by recent rains away the the Country, Drinking for it gestenday, the traits of the charge was evident, to fully me traduce a clean, running trook coming down the Kind has faded into might and man I am in our tout writing by the "glimi" as the "tallan dip is after called & my thinks are inframing and from from hours appearances evenes than I untrespoled and dig out on of the canon If paratile of mich too in the

at when Kanab to new the enationaphical was dance there is to the se from the I can find a place of near the great natural apsonge that will permit of " dinding to the of the inner wall, 1560 feet, I shall same a much otherwie, dry camps and such bleasant incidents will occur I wish to write to Ed to night so will let the scribble answ for to days addition to my motion for matter & Distinglassies (One note to file this out.) The peculiar after of the atmosphere tends to amouth and soften the should edges and sugged outhing so that a distance the rock occurry is factor. I - pp-acin.

(2) Oct 24. worther up the Karob Cam. nothing of steeral incident occured. Found that a pant of m. gilberts Invitine unic is sandstone. my old ruined sketch. my old runed sketch? It may be that I can get a wint in the Pontography was some

de so of passible & I an man game o in mergy + aprinit and if nothing uniforseem secure shall hope to pur along so as to gain strongth my rell and Keeft the work ingood cartral. One reason of depressing in aming here was can't for the lower level of warmen me ather. On food is non exallent. Buf, head, nice, durid fruit hold out in good ande. We eat a loof of bread for the ty of other "truck as ferry coller to me als are immuse. It is not drilk tea or coffee thank no desire for milk, botter a cggs. Ruck Valley comed med there entiled for de time at least, would holding potato stroi will have

I chay en. The am has just gone dan-tehnid my old rum and a half haver remains ene donthers with drine me in. Jerry calls supper. O.K.! Rich beef tea, rice, peacher. Freach To witch a wino". To day has been a bury one. Wh the Colorado Cama a mile our the rocke to examine strata. Return to dimen & then of the Ranah Commen to pound away until 3:35 p. m. to obtain a few rame fassivo. Ketum to earny, fut ferme in fress gathered on the way and then who for a wash treparise. Rornt, pensanah and washing of stockings, tours etc, muded at to served a hatch un books + tiped of generally. and alto

fact at all untill. Tomorrow is fenday but we shall leave He armer the canon a few mules. places the better. The barometer is falling. Jerry's' rhoumatismisheake. and to get caught dam hime trouble. It may not rain in these on four days but by that time I hope to be above desolation camp as me called its, Ishall not be sany to turn homeuterd. This is al grand canon and much there is that is heartyful somet it. Atill I have seen it of I think under favorable com distrans of am neady to leane It. "Janewell foren en I fanewell forener!
To the wild Cohonado until ite papide of the rocks, it will trouble ste ho mone.

fast night, the light of the moon curre me about 3 velack. I gotan it went outside the tent, as I that the some mist be fine. I was not motaken. The wind effect of the on conlight was to highle the glow of the great canon and at the some the to give its northing walls a frietimesy & hearty that no other light could duise . He shadows were dup and the soliant angles tathed in the soft silvery light made each seferate clift a study by itself. The walls appeared turied as high as by daylight and almost seemed to Storlet the stars on the easter pide. It was a sight that aly an artist could gretime out before you. my few feet e words can mot half express what little! could all. I am at the foot of the great

black cliff the ruin ment mushing the King of Dantes Inferra where Dore has represented the dank ush y ruin stays. Soon this walls and my truly to the Coloranda a they of the hoot. There Amile he placed, side by side with Mit elecent to a few attrem places I treasure of thick of when that is left free to warden back to the beautiful and striking objects that have crossed my little wardenings in this male world frall as it is I fear I shall her compose its mysteries as hidden in the lane rocks. Itall to that & world like to give my everyy for years to come. may fundage it by at 1 Mr. no. in thomas t.

De day Oct 26"/8/9. We were who teating heartast at Henrias & soon after were hacking up. all went smoothly until old Billy, a for old used up pack horse, made a mistele going along a marrow hant of the trail. He failed to recover of after luming a complete summersault landed down in a pool of water three feet dech and lay the help - less. Pay rolling him over he gamed, his feet and we soon mad him out illecided to cambo a mile abone and who me a-hacked faillys frack a mi men it was, This get ob some my vailant, good are half with ( the start start start start start - orto matoria. Amani - il.

honning southed. Fuckil, I' = nooked of our flow they pust -grafed books secaped. The a a very day of all istancer again as for as can be. We tet is who, the stones claved anay, dit thous withour cut of laid our at and my head is in order. a Large flat rock serves for a candlestick and table to all is comfartable. It is atile warm, Last might I murchy. Kept one theckness of takket one me. The down is demeching official - At in the cancel was when I can get in the the hundred feet and

(28) Oct 29"/879. nothing of afrecial incedent has occurred the past there. days. We have made another camp below desolation camb + I have collected a bot of fine famile and also added To the measured section, Have take remeal hard cliente of the canon walls but camot get to the top yet, Jonismon I proposed searching for fasiels & next day moving out t wh above all the tad places. On our way wh have we passed the hole where Geld Billy set me in the water To night I write lying in my sille, head tolatered of. a soil on the Knop of the neak is under full heading

and is very painful. Hunders me about my work. Yast I was me down. That cannot he the reason man, Jemy has just had a large and on this neck the is male and strong. I wish it had techt away a week langer. It is remente work to climb and I found with a hammer when every blan + movements nurte still it is nothing but a gobs comforten and can be endured for a few days. Jerry is getting homesick to get out of this canon. He rays he wishes to get where he can are come thorng of see outside of these rocky walls. I cannot blame him were much as it is not a charfful place my a long ways, Food night

(29) Oct 31" 1879 d'aremell October. To me you have been an eventful month in many ways and to might I hid you good bye willingly, still. as your bright heartiful glay. habe appealed to the higher Esthetic pense and more frace -tically have evabled me to wask with onergy + comfortable surroundings. I bid bid you farmell. at 8. a.m. we left camp. Jame camied the heavy pack & the other three animals the remaind of our wonderly goods. Blowly and sme we would intout who to down, amound great boulders, tho the water and after tures un - packing t once mosting a sum me reach our freund conte at the natural spange (mentioned when going dans) about all the fod places and man the bound altho rough in places will

permit us to remain in the saddle until Kanob is reached. John weeks y estenday since we left. as provisions are running low we shall frobably go in by the jet a st of Movember. The weath is namm to com--fortable. The brook of the hanging spring make music that is pleasant to the ear of on this little grass plat our camp fine turns t the tent, ou little home, is meight appleasant. I am getting quite accustomed to the makener of living and to day bem more willing to remain out another month Than since stanting. My boil has neached its maximum development & is mon in the decline.

Like - we see The - - of folks of old - it is. I worked all day Sunday and provisions are nearly out + after to day will line in bread & a slice of bacantitlay intil me reach Karab. Under the corcustances morthing on Andry was necessary if the work was done at all. The remained are hard, dan gerous chib to measure a section of hiestone that butberto bard been greened at as it was realy to accessible. Jeny accompanied me abone camp as looking the most for 200 feet who the story is commerced have a recentering and a ste olif game a little hold wall old got to have him

an anch a two, who the face of the diff we want for our 200 feet to mean the top found, a short while the rock onenhing the only short we could get who It was hard to back out so I man -aged to get my hands of one + getting a hold sunngant + pulled of onen. a slip there would have sent me 400 feet as an hath had both us out helan. I the helped Jerry + vie were soon at the tot. By a live ne asmed the section to them decided that we would rather walk ten miles who the can rather than, attended the descent by the path we came of elected when we started of our rocke + rough ground as in path kay at the foot of igh two miles who we were

stopped by a side Canan. That me started to go who t around at one place its walls were botten Home stanted dann & stouck an tod Indian trail. after a vorgen chief we londed at the botton of the camon only to find our hay stopped by a fall of 30 feel over a ledge in a very namon place, of the side & along, parrow ledges 150 febrobonette Hotten of the dam a place not any too eafter & the base. was réached again, Three miles scramble one the boulders I our annials mure reached. Deven horre of hard work was our, Evening. To day have felt rather used up but did the work land out + feel well to night. Formorou stant out for Kanab will

hobobly spendy still days on to way. We leave an unusually pleasant camp to go month & of 2000 feet or more who it will. he cold & writing. It is he amtiful October neather hime. Just at suset 9 took a bath hereath the great spange, as me call it, letting the water stream one me. (I will tiell ! you more of this spange on my peting. This will frobably ·clase my long letter to you as no the march there well be no the to wite of the tent is not fut ap at night. wish to read it some time. I shall register it as it has bee too much workle to unite it, to have it lost.

A.B. Nº 6\_ h. 5 bottom & p. 6, X 11 8 - 9. K 12 8 13.5/1Beg i moder lett 20 on h. 12 X " 16,-18-X 11 19 - art - about for Thur against - W 21. Base of Frias? IX 12里一世三里 22-37,以 R 40 HNote an wood- et W 1 44-47 1 1 48-5/X